

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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P. Amdt  
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Attorney Docket No. 038311/0103

In re patent application of

Joachim HOFMANN et al.

Serial No. unassigned

Filed: Concurrently

For: DICTYOCAULUS VIVIPARUS ANTIGEN FOR THE DIAGNOSIS OF LUNG  
WORM INFESTATION AND FOR VACCINATION

**PRELIMINARY AMENDMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Preliminary to examination, please amend the above application as follows:

**IN THE CLAIMS:**

Please cancel claims 1-16 without prejudice or disclaimer and add the following  
new claims:

17. An immunogenic protein from Dictyocaulus viviparus, wherein the protein  
has a molecular weight of 15,000 to 18,000 daltons, and an isoelectric point between 5.3  
and 5.9.

18. The immunogenic protein according to claim 17, wherein the protein  
comprises an amino sequence selected from the group consisting of SEQ ID NO:1 SEQ ID  
NO:2; SEQ ID NO:3; SEQ ID NO:4; SEQ ID NO:5; SEQ ID NO:6; and SEQ ID NO:7.

19. The immunogenic protein according to claim 17, which protein has a  
molecular weight of 16,000±1,500 daltons and an isoelectric point of 5.6.